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JUN 8 1982

J. J. General

Sherwin-Williams Chemical Company
(Hillsboro, Montgomery County)

Wastewater Runoff Discharge
Sampling Surveys

Mr. Dave Lewis, Site Manager
Sherwin-Williams Chemical Company
East Highway 16
Hillsboro, IL 62049

Dear Mr. Lewis:

On September 22 and November 19, 1981, and March 23, 1982, Engineer Timothy R. Kluge representing this Agency conducted surveys of your plant site in Hillsboro, Illinois. You and Mr. Rich Mulcahy were contacted during the March 23 visit; Mr. Pete Meehan was contacted on September 22 and March 23. Based on these surveys and a review of our files, the following apparent violations of the Illinois Environmental Protection Act or the Illinois Pollution Control Board Rules and Regulations, Chapter 3, "Water Pollution", are noted:

1. Runoff from the plant site, discharging from a pond near the west edge of the site, was found to cause or contribute to violations of the water quality standards for iron, lead, zinc, and copper based on November 19 sampling, and standards for iron and zinc based on March 23 sampling, in violation of Rule 203(f) of Chapter 3 and Section 12(a) of the Act. Sample results are attached for your reference.
2. The pond on your plant site and the unnamed stream tributary to the Middle Fork of Shoal Creek, downstream of the pond, contained orange colored deposits, apparently the result of precipitated iron compounds, in violation of Rule 203(a) of Chapter 3 and Section 12(a) of the Act.
3. Zinc smelting residue (zinc clincher) is present on the plant site so as to constitute a water pollution hazard, in violation of Section 12(d) of the Act.

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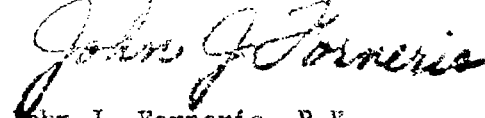
The above apparent violations should be corrected as soon as possible. You were previously notified by this Agency's Division of Land Pollution Control of similar water quality violations. A copy of that letter is enclosed.

In an effort to assist you in developing a program to correct these violations, we suggest that a meeting be scheduled to discuss possible solutions. Should you agree that such a meeting is desirable, please contact this office to schedule a date.

If you have any questions concerning this letter, feel free to contact this office at any time.

Very truly yours,

ENVIRONMENTAL PROTECTION AGENCY



John J. Forneris, P.E.
Manager, Region V Springfield
Division of Water Pollution Control

JJF/TRK/mh
6-7-82

Enclosures

bcc: Region V Springfield
FOS/RU/DWPC
Region Office, FOS/DLPC

Sherwin-Williams Chemical Company
Hillsboro Plant
Sample Results

<u>Parameter</u>	<u>11-19-81 Result</u>	<u>3-23-82 Result</u>	<u>Chapter 3 Limit</u>
Arsenic	0.002	0.001	1.0
Barium	0.1	0.1	5.0
Boron	-----	0.3	1.0
Cadmium	0.018	<0.005	0.05
Copper	0.03	<0.01	0.02
Chromium (Total)	<0.01	<0.05	1.05
Chromium (Hexavalent)	-----	0.0	0.05
Iron	3.00	1.8	1.0
Lead	0.14	<0.05	0.1
Manganese	0.83	0.37	1.0
Nickel	0.07	<0.05	1.0
Selenium	< 0.001	<0.001	1.0
Silver	< 0.005	<0.005	0.005
Zinc	2.84	2.2	1.0
Total Dissolved Solids (Conductivity)	-----	460	1000
pH	-----	7.5	6.5-9
Residue on Evaporation	-----	514	-----

All results except pH in milligrams per liter.

Sample location: Discharge from pond at west edge of plant property.